

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: 2AP1A Brightness
Message-ID: <199604270507.AAA01634@zoom.bga.com>

As jproc@worldlinx.com said

>
> Dear BA'ers,
>
> I'm now working on the last problem in my FSK107 frequency shift converter.
> The 2AP1A monitoring CRT just doesn't seem too bright at maximum
> brilliance. Here are the voltages that I measured at the CRT:
>
> Heater: 7.27 vac
> Grid : 0 to -45 vdc (depending on brightness control setting)
> A1 : +175 to 250 volts vdc (depending on setting of focus control)
> A2 : +675 vdc
> D1 : +633 vdc
> D2 : +700 vdc
> D3 : +545 vdc
> D4 : +565

I don't have specs for a 2AP1 handy, so don't know what's recommended.
The voltage pattern you give is essentially correct, although I would
expect the four deflection plates to be closer to the A2 potential
(average of each pair).

I am somewhat puzzled at the deflection plates being below ground. The
normal setup is to place the deflection plates at the amplifier B+
(around 250 volts) and the cathode negative enough to give the full run
of increasing voltage as you go from cathode to the last anode before
the deflection plates. You should be able to determine, by checking
power supply wiring and the connection to the deflection plates, what
the cathode voltage and deflection plates should be. Normal beam
current is microamps, so voltage drop in the cathode-A2 power supply
should be low. Focus depends on the voltage ratio between total
acceleration and the voltage on the focus anode relative to the
cathode, so you can get good focus with low high voltage.

A CRT whose cathode is not emitting generally will get brighter as the
control grid is advanced from cutoff, then get dimmer as the control
grid is raised toward zero relative to the cathode.

The sensitivity of the deflection plates decreases as acceleration
voltage increases. Low high voltage would normally be accompanied by
too much deflection, not too little. However, the amplifiers have to
be in good health to give the necessary voltage swing.

>

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: "E.Swain/T.Boyd" <lizboy@io.com>
Subject: 7360 tube
Message-ID: <Pine.BSI.3.91.960427082508.22343C-100000@bermuda.io.com>

A few days ago someone mentioned the 6JH8 as a possible sub for the 7360. My source for tube data is limited to my collection of ARRL handbooks, and while base diagrams for the 7360 and the 6JH8 can be found, no operating data on these tubes is included. Would anyone care to advise further? I see AES lists the 6JH8 for \$5.20.

Thanks,

Tom Boyd
lizboy@io.com

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: Fire Bottle archive handler <firebotl@jackatak.theporch.com>
Subject: RE: 7360 tube
Message-ID: <9604271039.aa09446@jackatak.theporch.com>

"E.Swain/T.Boyd" <lizboy@io.com> wrote:
> A few days ago someone mentioned the 6JH8 as a possible sub for the
> 7360.
Oooops. That was me in a less controlled moment when I was enjoying the list! ;^)

> My source for tube data is limited to my collection of ARRL
> handbooks
OK, I have the basic data for each from the 1973 edition of the RCA Receiving Tube Manual:

7360

Beam deflection tube
Outline: 6E
Terminal Diagram: 9KS
Heater: 6.3V @ 350ma
150V B+ on each plate

Grid Bias/Cathode Resister: 150 Ohms
Screen: 175V
Screen Current: 2.1ma
Plate Current: 8.5ma
Transconductance: 5400mmho (both plates tied)
Deflection Electrode Voltage: 25 volts

6JH8

Note that the poop sheet says "pin 5 should be connected to the cathode at the socket", and "The 6JH8 should be located in the equipment so it is not subjected to stray magnetic fields" (This also applied to the 7360, BTW)

Outline: 6E

Terminal Diagram: 9DP

Heater: 6.3V @ 300ma

Max Ratings (used as Color TV demodulator)

Plate voltage: 250V each plate

Peak-deflecting electrode voltage (each electrode)

negative 165 V

positive 165 V

Grid 3 (accelerating Grid): 330V

Grid 1 (control grid) positive bias value: 0V

Cathode current: 33ma

Plate dissipation (each plate): 3 watts

Grid 3 input: 1 watt

Grid 1 circuit resistance (max)

for fixed-bias operation: 100K

for cathode-bias: 250K

As a Class A amplifier:

Plate Voltage (each plate): 250V

Grid 3: 250V

Cathode bias resister 220 ohms

transconductance: 4400 micromhos

Total Plate Current: 14ma

Grid 3 current: 1.5ma

Grid 1 Voltage (for total plate current of 10 uA): -13V

> I see AES lists the 6JH8 for \$5.20.

EXACTLY!!! At the time I replaced the 7360 in my Halli HT-32B with the 6JH8, 7360s were about \$11 and the 6JH8 was \$1.85 (c. 1976)

I sold the HT-32B and the manual with my notes and sketches went with it, but I recall using the SWAN 500 or 700 as a model for the connections to the pins, which did require rewiring the socket.

I did *NOT* have to mess with the other components in the circuit to

get it to work *flawlessly*... so, the mod is fairly non-invasive and quite reversible... just re-solder the socket terminals and shove a 7360 back in....

I talked with Chuck D about the mod way long ago, and he was interested in the performance, and we had several QSOs on various bands under various conditions... the 6JH8 made for fuller and better sounding audio, handled power loads better than the 7360, and was not likely to go nuts if ya stomped yer boots as ya bounced into the shack! ;^) The sideband/carrier suppression was superior with the mod, and I was a happy camper... but that was long ago and far away... Guarantee that YMMV! ;^)

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

firebotl@jackatak.theporch.com ---- listown@jackatak.theporch.com

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996

From: John Kolb <jlkolb@cts.com>

Subject: RE: 7360 tube

Message-ID: <Pine.SC0.3.91.960427090205.23208A-100000@sd.cts.com>

On Sat, 27 Apr 1996, Fire Bottle archive handler wrote:

> "E.Swain/T.Boyd" <lizboy@io.com> wrote:

> > A few days ago someone mentioned the 6JH8 as a possible sub for the

> > 7360.

Digging into the fine print section at the back of the 1973 RCA tube manual, the 6AR8 is also listed as a beam deflection tube. Plate voltage is listed as 250 V vs 330 max for the 6JH8. The 6JH8 is listed as a sub for the 6AR8.

John Kolb KK6IL

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996

From: "Gary H. Harmon, Jr." <gharmon@txdirect.net>

Subject: 8042 Tube

Message-ID: <199604271740.MAA17605@legend.txdirect.net>

Is the 8042 a good replacement for a 6146? Saw some today at a tail gate sale for \$5 ea. May have come from a GE product. It looks like a 6146 but none of my handbooks give any details except pin configuration. Anybody know?

<<<<<<<<<<< T00 many projects, NOT enough time! >>>>>>>>>>>>

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: Peter Ferrand <petef@sprynet.com>
Subject: A rare find for sale
Message-ID: <2.2.32.19960427023358.0069ab5c@sprynet.com>

Having gotten that out of the way, do you know what a Realistic DX-75 is?

It's Radio Shack, sure, but it's made in the USA...even says Radio Shack USA on the front. Even the components are American...TRW tuning caps, CDE and IRC small parts, and so on.

We're talking about a 550 KC to 30 MC radio with main tuning and bandspread in the conventional manner on a large (12" X 3") with black and white lettering that says
BROADCAST, SHORT WAVE, and so on, with the places on the dial - Egypt, Vatican City, Paris, Alaska (?) and so forth. I'd put the date as early 60's but comments are welcome.

Whoever designed this did so with unusual care. For example, the side firing internal speaker is mounted on its own metal plate, and that is isolated

from the main chassis on rubber bushings.

Set is 61/2" x 14" x 91/2" hwd and is in a dark green metal cabinet (I'm color blind - Phil R. you saw it, am I right?) and panel's lighter green and silver.

What's nice is that this is in perfect condition in and out - no component changes or work or damage far as I can tell. Works about like any similar set, tho the audio and stability's better than some S-38's and the like. Would be perfect for someone's office as a casual listening tube radio that's presentable and comprehensible to the uninitiated.

Interested? I'll ship it anywhere in the lower 48 for \$90.

tnx
-Pete
WB2QLL
petef@sprynet.com

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: Allen Tucholski <allent@en.com>
Subject: A REWARD OFFERED
Message-ID: <199604270241.WAA07013@en.com>

A REWARD OF 500 MICROFARADS IS OFFERED FOR THE INFORMATION LEADING TO THE ARREST OF A HOP-A LONG CAPACITY. THIS UNCERTIFIED CRIMINAL ESCAPED FROM A WESTEN PRIMARY CELL WHERE HE HAD BEEN CLAMPED IN AWAITING THE GAUSS CHAMBER.

HE IS CHARGED WITH THE INDUCTION OF AN 18 TURN COIL NAMED MILLI HENRY WHO WAS FOUND CHOKED AND ROBBED OF VALUABLE JOULES. HE IS ARMED WITH A CABON ROD AND IS A POTENTIAL KILLER. CAPACITY IS ALSO CHARGED WITH A DRIVING DC MOTOR OVER A WHEATSTONE BRIDGE AND REFUSING TO LET THE BAND-PASS.

IF ENCOUNTERED HE MAY OFFER SERIES OF RESISTANCE. THE ELECTROMOTIVE FORCE SPENT THE NIGHT SEARCHING FOR HIM IN A MAGNETIC FIELD, WHERE HE HAD GONE TO EARTH. THEY HAD NO SUCCESS AND BELIEVED HE HAD RETURNED OHM VIA A SHORT CIRCUIT.

HE WAS LAST SEEN RIDING A KILOCYCLE WITH HIS FRIEND EDDY CURRENT WHO WAS PLAYING A HARMONIC...

BY MR. MARK BUSHNELL FROM CCA

NASA Lewis Research Center
Cleveland, Ohio

e-mail
allent@en.com

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: Steve Ellington <n4lq@iglou.com>
Subject: Re: A REWARD OFFERED
Message-ID: <Pine.GS0.3.92.960427063623.29811A-100000@iglou2>

> A REWARD OF 500 MICROFARADS IS OFFERED FOR THE INFORMATION
> LEADING TO THE ARREST OF A HOP-A LONG CAPACITY. THIS UNCERTIFIED CRIMINAL
> ESCAPED FROM A WESTEN PRIMARY CELL WHERE HE HAD BEEN CLAMPED IN AWAITING THE
> GAUSS CHAMBER.

MO MO give us MO!

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: Jim Dillon <beadgal@ptialaska.net>
Subject: Re: ARC-5/BC-946 info
Message-ID: <01BB340B.F8901F60@juneau_153.dialups.ptialaska.net>

Hello David and Radiomen-

I would like to know a little more about the BC-946 (Navy R-24?) or any other Broadcast Band Command Sets. How hard to find are they? I'm looking for one (unsuccessful search so far). Were they for direction finding purposes? Is a DF loop part of the original lash-up? Seems odd that liaison rcvrs like BC-348 excluded the BCB. Was this to eliminate the distraction temptation of the crew?

Obviously, I'm not a military gear person. Only C-set I have is a BC-453 I bought surplus in jr hi. It is still the Q5er for the SX-43.

Also, does anyone have the old Surplus Conversion Manuals, and would they be willing to act as resource person for mod (read that unmod) info?

Thanks Jim Dillon WL7CMQ beadgal@ptialaska.net0

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: ARC-5/BC-946 info
Message-ID: <Pine.ULT.3.91.960427183802.24398A-1000000@admin.aurora.edu>

On Sat, 27 Apr 1996, Jim Dillon wrote:

>
> Also, does anyone have the old Surplus Conversion Manuals, and would
> they be willing to act as resource person for mod (read that unmod) info?
>

Jim, et al. I have the surplus conversion manuals here. If anyone needs any info from the, let me know.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: michael.moore@24stex.com
Subject: BA's Never seen
Message-ID: <9604270857.0CKZ100@24stex.com>

I was browsing an WRL catalog from 1958 tonight and realized that in all my years of hamfesting and swapping, there are several pieces I don't ever recall seeing, let alone owning. Such as:

The Palco Bantam 65A Transmitter
The "Black Widow" Transceiver
The Harristahl model NE-6 Transmitter

Did anyone actually buy any these? Anyone have one? They have to be rare.

Never saw a Palco but saw and heard several Harristahl's. The most unusual radios were the Black Widow's. They came in three flavors: six-meters, two-meters, and 220. All A.M., of course. Very compact and they looked stunning in their black and red case and knob color scheme. Anybody who wanted one generally had to wait for the radio

to be made as they were made in the designers basement/garage. I was told by several owners of these radios that "no two are ever really alike." Seems that he liked to make 'improvements' as he built the radios. He also liked his beer. Reportedly the improvements to the radios varied with the quantity of beer. Buyers living close by could expedite the radios delivery by donating a case or two of brew to the builder :). Even with several hired hands to make the radios they could not make enough to meet demand. I have always hoped to find one a garage sale but no luck so far.

Mike... K6SQJ

p.s.: S-38 radios (except the E version) were Black Wrinkle finish. The E came in Grey Hammertone or wood grain (ugh).

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: "Joseph W. Pinner" <kc5ijd@dns1.net-connect.net>
Subject: Re: BA's Never seen
Message-ID: <199604271648.LAA01799@dns1.net-connect.net>

>p.s.: S-38 radios (except the E version) were Black Wrinkle finish.

No, the C version was also gray hammertone (have one sitting on my workbench right now).

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@net-connect.net or kc5ijd@aol.com

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Re: BA's Never seen
Message-ID: <m0uDLvn-000TwOC@spider.lloyd.com>

At 11:49 AM 4/27/96 -0500, Joseph W. Pinner wrote:

>>p.s.: S-38 radios (except the E version) were Black Wrinkle finish.
>

>No, the C version was also gray hammertone (have one sitting on my
>workbench right now).

There is a "D" at a local CB shop even as I type. It, too, is gray hammertone, and looks completely original.

73,

Jim - km6nk

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Balanced lines, grounds and such.....
Message-ID: <m0uDCWo-000TxTC@spider.lloyd.com>

..are a real appropriate topic for one of the rec.radio.xxxxxx newsgroups and discussions of such should be carried on there.

They don't relate specifically to boatanchors and aren't the topics for which this mailing list was created.

73,

Jim - km6nk

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: "David L. Thompson" <thompson@mindspring.com>
Subject: Re: BAs I Have Never Seen
Message-ID: <199604270238.WAA25191@borg.mindspring.com>

At 08:53 PM 4/26/96 -0500, you wrote:

>I was browsing an WRL catalog from 1958 tonight and realized that in all
>my years of hamfesting and swapping, there are several pieces I don't
>ever recall seeing, let alone owning. Such as:

>

>The Palco Bantam 65A Transmitter

>Did anyone actually buy any these? Anyone have one? They have to be
>rare.

A fellow near me had the Palco and matching modulator in 1958. He was the only mobile I know that didn't have either the Gonset Twins or the ELMAC sets. It worked great.

BTW: they made a nice supply for the ELMAC A54H, AF-6X series..even advertised it in QST.

Looking at those old catalogs is a real gas...

73, Dave K4JRB

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: hagelin@magi.com (Richard Brisson)
Subject: Re: Collins Speaker
Message-ID: <199604271524.LAA14210@infoweb.magi.com>

Hi gang -

I thought the following might be of interest to a few of you. It was posted in rec.antiques.marketplace a day or two ago.

Regards,

Richard.

Tim Verthein (hepcats@uslink.net) writes:

> Hi,
>
> spring is here, and I'm cleaning out the garage and the garage attic.
> I find I have way to many radio's stashed away, and have these for sale.
> Since I have no idea what they might be worth, offer me what they are
> worth to you, and I'll probably let 'em go. here we go.
>
> ... (omitted) ...
>
> I have lots of others, but that's enough for now. If anything looks
> interesting e-mail me, and make an offer. Sometimes I just collect too
> much stuff. Also have...
>
> Huge, and I mean HUGE Collins speaker. used to be a floor monitor in a
> radio station in the 50's. Cabinet is about 3 feet square, and a foot
> deep, with about a 15" speaker in it. it's really cool, sounds fantastic,
> weighs a ton, and keeps my wife from putting her car in the garage.
> I need to let it go, so make me an offer, and remember shipping will be \$\$\$.
>
> Tim...don't forget to visit my site... i also have a box of used, tested OK
> tubes, probably a hundred or so...interested???
> --
> "There's Always Sunny Weather When Hepcats Get Together"
>
> Visit my web site-- <http://www.uslink.net/~hepcats/>
>

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: "Jim Berry" <basalop@eskimo.com>
Subject: CW Notes With Character
Message-ID: <199604270247.TAA16164@mail.eskimo.com>

Maybe one out of about 10.000 bulletins that show up on the Ham packet network are of any interest. Since I think this is of interest I will assume everyone else does also ...

CW Notes With Character

by George F. Franklin, W0AV Kansas City, Missouri

Part 1

Back in the thirties, when I got started in ham radio, every CW signal had at least two, sometimes three, characteristics, not all of which could be described by using the RST system. Incidentally, RST then maxed out at 559, not 599 as now; easier to manage in those days.

First of all, there was the "fist", ie. the operator's manner of sending. The old pump handle straight key was pretty much the standard, and predominated on the bands. Next in popularity was the Vibroplex, commonly known as the "bug", with manual dashes and "automatic" dots. Here was where the individual sending style really came into play. There was the sea-going sparks sporting his "banana boat roll", with the exaggerated dash length. you could easily visualize "sparks" holding on for dear life in his shipboard shack as the vessel slowly listed from ports on starboard. Once acquired, the BBR was usually retained even after sparks returned to dry land; it was a badge of distinction, so to speak.

Of lesser popularity, but even more distinctive, was the style of an operator using a classic "side swiper" key. The dots and dashes were both made manually by horizontal movement of the blade to which the finger grips were attached. The resulting CW, though eminently copiable, has to be heard to be appreciated as it defies word description. Yes, there are still a very few OT's on the bands using sideswipers, but they are most certainly a vanishing breed.

No discussion of fists would be complete without mention of the so called "Lake Erie Swing", which originated with bug-using marine ops on ships plying the Great lakes. The LES was characterized by the very generous use of dots, usually much faster (relatively) than the dashes. It made for a somewhat fluttery, whimsical style of sending, not unpleasant to copy once one got the hang of it. This style was later adopted by many airline and police CW operators, with equal success.

Vying for importance with the operator's fist, there was the matter of his rigs CW "note", the T in the RST system. Here you encountered an endless variety of sounds, ranging from the raucous to the coveted PDC (pure DC) to somewhat rare T9X (PDC, crystal). There were many one-stage, "self-excited" rigs used on CW in those days, in spite of the dire FCC and Handbook warnings against coupling simple rigs of this type directly to the antenna. Many of us thought that as long as you used a "blocking capacitor" between the lead-in and the tap on the rigs output coil you were OK. After all, it wasn't direct coupling, was it? Simple keyed Hartley oscillators using the popular type 210 or 45 tubes were generally identifiable by their pronounced "chirp", usually caused by poor supply regulation. Someone has said that they sounded like a stepped-on frog; an apt description. -end of file

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: Jim Dillon <beadgal@ptialaska.net>
Subject: Re: Electrolytic Markings
Message-ID: <01BB3429.C1CC0F20@juneau_119.dialups.ptialaska.net>

-

Hi Chuck and negative bias seekers-

You are facing a split-level power supply. I won't go into detail (Hank = probably will), but to get a big neg grid bias for the output tube, =
current is drawn

through a power resistor, choke, or in your set probably the speaker =
field coil.=20

One lead is neg w/respect to chassis and neither its filter minus nor =
plus is connected to the chassis.

When in doubt, put meter across the cap and connect new cap same =
polarity.

Don't assume neg or pos lead goes to chassis. Just put it where the =
old
one is. BC-348 uses this upside-down p/s also, so the neg p/s lead does =
not
go to chassis. Same many Thirties/WWII era sets.

This is a good reason for BA folk to buy the darned Fixing Up Nice Old =
Radios
book by Ed Romney from ER or ARC or AES. Even with the lousy repro
art, this is the Keeping Your Volkssradio Alive Book of all time.

Trust your instruments...ground ain't neutral. I always say. Da...

Jim Dillon beadgal@ptialaska.net
(seeking S/SX-9, S-29/39, 8R40)

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: Chuck Grandgent <k1om@world.std.com>
Subject: electrolytic markings ?
Message-ID: <199604271813.AA03693@world.std.com>

Hi,
I'm recapping an old radio, actually a '39 Wells-Gardner BC set.
The schematic shows the "positive" side of its only electrolytic
going to ground.

This seems contrary, to what it should be, with the "minus" side
of the electrolytic going to ground ? (and I don't believe they run
this chassis "hot", in fact it's a battery-powered set.)

Did the schematic conventions for electrolytics change at some
point or am I totally screwed up (as usual) ?

-Chuck, K10M, Maynard, Mass.
k1om@world.std.com <http://world.std.com/~k1om>

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: electrolytic markings ?
Message-ID: <199604280135.UAA17104@zoom.bga.com>

As Chuck Grandgent said

>
> Hi,
> I'm recapping an old radio, actually a '39 Wells-Gardner BC set.
> The schematic shows the "positive" side of its only electrolytic
> going to ground.
>
> This seems contrary, to what it should be, with the "minus" side
> of the electrolytic going to ground ? (and I don't believe they run
> this chassis "hot", in fact it's a battery-powered set.)
>

The schematic conventions have always been as Ben Franklin defined them; positive is the "hole" side, negative is the "electron side." It was, by the way, Franklin who established this convention as a part of the "one fluid" theory of electrical flow.

Always read a published schematic with your eyes open. Virtually everything I have for which I have a published schematic has differences between the schematic and the equipment, and I have come across a fairly substantial number of schematic errors. You should learn to recognize the standard circuits used in radios and transmitters and question any deviations from standard practices. A copy of Terman's "Radio Engineer's Handbook" will help you in determining what the standard circuits are and how they operate.

The trick circuits I can think of offhand that are out there to bite the unwary are:

1. Back bias power supplies. In these, there is an impedance (choke or resistor, sometimes the choke is a speaker field) between the power supply B- and the B-supply return bus in the equipment. This is most often used to develop a negative voltage for grid bias of tubes, generally output tubes, without using a separate supply. The proper method of filtering this type of supply is to connect the filter caps between B+ and B-, and one between B- and the B-supply return bus. That last cap will often be connected with the positive terminal to ground. The HP-200CD oscillator is a classic example of a back bias supply that is laid out according to good engineering practice. There may be filtering in both the positive and negative sides of the supply.
2. Trick oscillator-converter circuits. The Autodyne and Transitron are the most common, and these are generally in early-thirties broadcast sets. Well-covered in the literature.
3. Trick IF setups, particularly triple-tuned transformers and regenerative IF's. As I recall, McMurdo Silver was a fan of regenerative IF's. The triple-tuned setup generally has a third coil in the transformer that is tuned, and between the input and output coil, with only one wire running to an AC ground somewhere. Another

type of trick IF that is more straightforward to understand is that used in Hallicrafters SX-28, S-27, and S-38, and several large quality home entertainment consoles. In this case, one or more IF's has two output coils with a switch to change between them. One coil is critically-coupled; the other is overcoupled, giving a wider bandwidth in the IF (this is how you get some semblance of "high fidelity" from 455 Khz. IF's). The circuit used in the Hallicrafters S-38B and subsequent as a "BFO" is a regenerative setup coupled tightly enough to ensure (it says here) oscillation. Most of these circuits are not well-covered in the engineering literature of the period.

4. Power detector circuits. There are a whole bunch of these. The classic grid leak detector, which is a class C amplifier, is well covered in the literature. There are a bunch of class B circuits which are described in various places. Terman is a good place to start on detector circuits---much of his early work in the late 1920's was on detector circuits.

I don't know offhand, of a reason for using a back bias circuit with a filter capacitor in a battery-powered radio. Indeed, with batteries, you don't need any low frequency filtering---even dry batteries have a fairly low source impedance at audio frequencies. Where is the electrolytic in the Well-Gardner set being used. I suspect that it is an audio bypass somewhere.

Generally, if you take the time to analyze a strange circuit, it will become obvious what you are looking at---whether schematic error or odd-ball circuits. I've seen equipment with a 470K resistor across the power line, shown on the schematic and wired in the equipment, and things like that, which have no useful purpose at all. And a while back we spent some time on the rec.antiques.radio+phono group with an AA5 power supply that had the AC power connected to the 35Z5 center tap, the plate to the short section of the heater, and the rest of the heater chain to the long section, and he had a schematic that showed it this way.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: Chuck Grandgent <k1om@world.std.com>
Subject: Re: electrolytic markings ?
Message-ID: <199604280302.AA20339@world.std.com>

** Reply to note from Henry van Cleef <vancleef@bga.com> 04/27/96 8:35pm
-0500

> I don't know offhand, of a reason for using a back bias circuit with a
> filter capacitor in a battery-powered radio. Indeed, with batteries,
> you don't need any low frequency filtering---even dry batteries have a
> fairly low source impedance at audio frequencies. Where is the
> electrolytic in the Well-Gardner set being used. I suspect that it is
> an audio bypass somewhere.
>

Bingo.

It is in fact off the input to the last audio stage.

Hangs off the "B-" on the way to the grid of the 1A5GT final
audio output, and the + of the cap goes to ground.

So I guess it's apparent "backwardness" (as it seemed to me)
is because it's off the B-.

Many thanks to you and Jim Dillon for sharing your insight on this
topic ! I know probably 25 years ago I probably knew about this,
but it seems to have evaporated.

-Chuck Grandgent, K10M, Maynard, Mass

k10m@world.std.com <http://world.std.com>

/~k10m

Chuck Grandgent, VideoServer Inc., Lexington, Massachusetts
k10m@world.std.com CIS:72330,450
(+1)617-863-2300 fax:(+1)617-862-2833
<http://world.std.com/~k10m>

cc: boatanchors@theporch.com

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: Michael Neidich <neidich@hooked.net>
Subject: FREE LIST : Surplus Radio Conversion Articles
Message-ID: <3182A044.541@hooked.net>

See list below of WWII radios, transmitters, etc.

If you want a copy of anything on the list, I will make copies for you from

the Surplus Radio Conversion Manuals, for a small fee.

73,
K2ENN

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: From rec.radio.swap...
Message-ID: <Pine.SV4.3.91.960427143333.19929A-100000@uhunix4>

If there are no complaints I thought I would continue the service of selecting BA-related FS/WTB articles from wrecked.radio.swamp. Contact these folks if you find something of interest. // Jeff KH2PZ

From: debaker@bnr.ca (David Baker)
Subject: Antique Aircraft Radios FOR SALE
Greetings, I have one old Narco Omnigator MK II aircraft radio left. Also have an old ADF/LF receiver (.2 to 1.8 MHz). All were working when removed from service, but I have no manuals or documentation. These are tube radios, and could possibly be used for experimentation or just reception on their designed frequencies. If nothing else, they represent a wealth of spare parts (capacitors, resistors, pots, dials, connectors, crystals and more!)
Price: not much, less than \$1 a pound (local pickup only unless pre-pay).

From: dd980@FreeNet.Carleton.CA (Russ Rinckey)
Subject: HEATH SB 200 HF AMP
I have a nice full out put amp works great. Best offer over \$250 takes it.

From: Norm Hammar <norm@cqg.com>
WTB: Heath HW-101 in very good to excellent working condition.

From: Michael Neidich <neidich@hooked.net>
Subject: FREE LIST ARC-5 SCR-274N Models,Bands
To receive a handy reference list of command transmitters, receivers put ARC-5 in your reply.
I need clean, unmodified aluminum finish (BC- series) transmitters and receivers for a B-17 radio shack restoration project. Thanks.

From: Michael Neidich <neidich@hooked.net>
Subject: WTB: Hallicrafters S-38C
Looking for a S-38C (grey hammertone, red switches in lower r & l corners). State condition and price wanted first email.

From: upscale@primenet.com (Kevin Deal)
Subject: FINDERS FEE FOR HICKOK 580 tube tester

I need to find one of these, and will pay a \$50 referral fee to someone who finds one for me, and I buy it. Thanks.

Subject: Wanted: Info on R-366/TRR-5

Just aquired an R-366/TRR-5 radio that was made by Espey for the Navy, estimated vintage 1947-1955. Would like to get my hands on manual
+ BDHall@GHGCorp.com BHall@GP802.JSC.NASA.gov +

From: Jack Ray <k4mzw@akorn.net>

Subject: Fluke Meters

I have a limited quantity of Fluke meters AC/DC differential type. These are from Military operate from 110/220 volts 50-500cps, have recorder inputs and a "0" center mirrored meter. Beautiful \$100 each shipped. I have copy of manual for each one.

From: rmd@ka4ybr.netmha.com (Bob Duckworth)

Newsgroups: rec.radio.swap

Subject: R32, 108-135MHz RX, sn625, Aircraft Radio Corp. WTT

Kind of ratty.

Stamped, 'cessna electronics ???? functional tes???'

Missing two tubes, top cover, bottom plate.

Looks like standard arc-5 plate will fit the bottom and I have one I'll include.

Want to swap.

Mosley CM-1 parts radio. (I'd like to buy a working CM-1 if you have one or trade something better than a ratty R32 :-)

15"-17" x 12"-17" x 3" chassis and bottom plate.

Heath HW-16 parts radio (main component needed is bandswitch)

any older AM transmitter for parts (mainly interested in modulation transformer and RF parts. 50W class radio is fine.)

From: l.mclaughlin@popmail.csuohio.edu (Bostonian)

Subject: WTD: RCA WT-100 or Hickok 700 Tube Tester

RCA WT-100A and/or Hickok 700 tube tester wanted. Seeking unit in good running condition, needing some repairs or for parts (if I later come across a working unit). Willing to swap for something or please state a fair price for the respective unit. I would prefer swapping something as cash is tight, but I would have to find out what you are looking for -- I may have it. Please indicate if you have manuals, schematics, charts and/or plug-in tube sockets for the respective tube tester.

From: billrobb@serv01.net-link.net (William C. Robbins)

Subject: FS: Knightkit R-100A

I am cleaning shack for Dayton. This Knightkit is in excellent shape and works well. I have the original manual. General coverage with band-spread for the ham bands. Make offer.

From: billrobb@serv01.net-link.net (William C. Robbins)
Subject: FS: Lafayette Voyager HE-25 Transmitter
This transmitter is 80 thru 6 meters. About 50 watts out on AM/CW. I recently had this on the air and it works well. Very good physical condition as well. Make offer.

From: stever@raven.cybercom.com (Stephan Rashkin)
If you have a clean Johnson Viking Ranger 1 or 2, working, with no irreversible modifications, and all original knobs and meter please send E-mail to me if you would like to sell it..(stever@raven.cybercom.com)

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: Re: From rec.radio.swap...
Message-ID: <3182CE0A.FD2@ghgcorp.com>

Jeffrey Herman wrote:

>
> If there are no complaints I thought I would continue the service of
> selecting BA-related FS/WTB articles from wrecked.radio.swamp. Contact
> these folks if you find something of interest. // Jeff KH2PZ

Hello Jeff, no complaints from me! I wade thru the rec.radio.swamp almost daily, and I didn't see half the ads you forwarded to the list. That way I don't miss anything...

> Subject: Wanted: Info on R-366/TRR-5
> Just aquired an R-366/TRR-5 radio that was made by Espey for the Navy,
> estimated vintage 1947-1955. Would like to get my hands on manual
> + BDHall@GHGCorp.com BHall@GP802.JSC.NASA.gov +

Hey! This looks familiar! Actually I am in the process of obtaining one from Sheldon Wheaton at this time, so I guess I am no longer looking for one!

Thanks and 73,
Ben
--

=====
+ Benjamin D. Hall, Houston Texas +
+ BDHall@GHGCorp.com BHall@GP802.JSC.NASA.gov +
=====

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996

From: Al Evangelista <aevang@cris.com>
Subject: FS command set tuning shafts
Message-ID: <1.5.4.16.19960427225455.1a3f3944@pop3.cris.com>

I have a few NOS tuning shafts (120 inch) designated MC-215.
They are in good condition complete with the War Department
Serviceable Part Tag. \$20 ea + shipping from MI (zip 48603)

73,

Al Evangelista (KB8WYN) aevang@cris.com

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: robert fowle <hammarlund@voyager.net>
Subject: FS: COLLINS & NATIONAL
Message-ID: <199604271922.PAA24522@vixa.voyager.net>

Have the following for sale:

Collins KWM-2 516F2 works but AC switch needs replaced \$ 450.00
Collins 51S-1 with KWM2 cabinet works fine. \$1,000.00
National NCL-2000 Amp with spare set 8122's \$ 700.00

all above belong to my friend. all work.
price's include shipping.
if interested contact me via e-mail
hammarlund@vixa.voyager.net

=====] - [->
Robert Fowle KC8DBC
The HAMMARLUND Historian
Ph. voice or fax 517-789-6721
1215 Winifred
Jackson, Mich. 49202-1946
E-mail at: hammarlund@vixa.voyager.net
HAMMARLUND LITERATURE WANTED
WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT
=====] - [->

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
Subject: FS:Collins 75A-1 w/speaker \$500

Estate Sale: Collins 75A-1 Receiver with matching speaker \$500. Located

in San Francisco Bay Area. E-mail me if you are interested.

--

Dave Schutt <schutt@netcom.com>

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS:Collins 75A-1 w/speaker \$500
Message-ID: <80090.ddillman@igc.apc.org>

NOTE The message below is a re-post from rec.radio.swap. All replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: Dave Schutt <schutt@netcom.com >
Newsgroups: usenet.rec.radio.swap
From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: john <johnmb@nando.net>
Subject: Halli HT-18. Whazzit?
Message-ID: <9604280116.AA06542@nando.net.nando.net>

The title says it ... what's a Hallicrafters HT18?

(and also... do I want it?)

: -)

/john

PS: Anyone remember any pics of it in ER?

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: Halli S-38B
Message-ID: <318274A3.150E@ghgcorp.com>

Hello everyone...

Got the S-38B working well this morning... Added a fuse, new line cord, new speaker, and replaced two wax papers. The rest of the wax papers were already replaced.

Replaced the nominal 4 ohm speaker with an 8 ohm Radio Shack job. Anyone see any problems with this?

After I put the new cord in, making sure I had neutral to the chassis, I plugged it in and turned it on. Awful 60Hz blasting out the speaker! Found out that power line wire placement is critical. I had routed the AC wire right next to some RF circuitry...

Decided not to change the filter electrolytic. Figured out that the stuff that looked like it had leaked out must have been from the original electrolytic, as the aerovox that is in there showed no signs of physical leakage. Good high ohms too. So I left it in. Have four 100uF 200 volt caps ready to jump in when it starts to go. (surplus caps)

Next, hooked it up to the antenna and tried it out. Wouldn't receive any signals below halfway on the dial. Ugh. Sounded like it was losing the oscillator. It would go from steady static and stations to dead with a nasty noise from the speaker. Ohmmeter quickly suggested that the tuning condenser was shorting out at that point. After 15 minutes or so of careful examination, I saw that one of the plates was making contact. A little coaxing with the needle nose pliers fixed that. Bingo, works good now. Seems a little susceptible to static on AM BC, sound quality good but not high fidelity. Works okay on SW. (I am not expecting that much on SW) Was able to pick up a very faint and unreadable except for the ticking sounds WWV on 10MHz this morning, a signal that was just audible on the other radios.

The case looks nice. Need to run to Home Depot to get another can of semi-flat black. (This can was left over from the repainting of the Drake 2-B case which looks nice)

The only problem is now I think it is too nice to take to work to set on my desk!

Thanks and 73,

Ben

--

```
=====
+ Benjamin D. Hall, Houston Texas +
+ BDHall@GHGCorp.com BHall@GP802.JSC.NASA.gov +
=====
```

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Re: HALLICRAFTERS SX-100
Message-ID: <m0uD1sN-000Tx4C@spider.lloyd.com>

At 09:22 PM 4/26/96 -0500, JOHN_SEHRING.parti@ecunet.org wrote:

>More on the Hallicrafters SX-100

>

>Yes, the mechanical stability is touchy. But the chassis is simply not
stiff enuf in the
>right places around the whole front end. I plan to add some stiffeners to
>see what can be done.

One of my SX-100s has been the victim of a serious attempt to cure the
mechanical instability and the changes do make it the most stable of the
three I have.

A previous owner used #12 solid wire to form bracing for the shield that
separates sections of the tuning capacitors. Two wires run from the front
of main tuning capacitor frame to the shield and to the rear of the
capacitor frame. These are soldered at each connecting point. A third wire
goes from the shield (attached in the area of the bandspread cap) back to
the T-notch filter box.

Getting this shield to hold still is a big step in the right direction, as
evidenced by the superior stability of thie particular SX-100.

>

>

>The best thing I ever did to my SX-100 was to add the product detector ct
>from the SX-101A (a 6BY6).

There was an article in a 1961 issue of CQ magazine that gave all the
details of how to adapt the SX-101A product detector to the SX-100. My
"reinforced" SX-100 has had this change made and, it's a real sweetheart on
SSB. However, lest anyone think otherwise, I'm not a big fan of modifying
old radios. To do so takes away some of charm and personality they have.

>

>Speaking of agc, the SX-115 got even fancier: It used *two* separate agc
>detectors and loops!

>

>Halli ads claimed that it reduced intermodulation distortion. I only ever
>handled a -115 when I was a teenager in the early '60s so I don't know for
>sure. But I do remember good audio quality and smooth agc action.

>

hallicrafters did get it right in the 115. The SX-115 has, IMHO, the nicest sounding SSB audio of any radio I've heard. It almost sounds as good as natural as AM.

73,

Jim - km6nk

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: drhydro@ames.net (Paul Nelson)
Subject: Ham Price Guide
Message-ID: <v01540a01ada6e29bb1c4@[1.1.1.1]>

Several people have asked for info on the Ham Price Guide that I quoted from a couple of days ago on HRO prices, so I thought I'd share the info with the group-

It's called the "Ham Price Guide".

It's about 36 pages of closely-spaced computer printout, bound in a neat book, organized by manufacturer with a cross-reference by model number. I ran into this guy at the Foothills swap in early March- he had a small mountain of BA gear there- and in talking with him about the value of a BA I have, learned that he publishes this thing. It's about \$10, seems to be worth it. I hadn't known about it before.

A spot check with the Boneyard Bluebook shows some correlation, I think. The two would appear to complement each other.

The address is:

Eugene Rippen, c/o Sound Values
PO Box 9
Auburn, CA 95604.

For those who haven't seen the boneyard bluebook, it's in the bit bucket at theporch.com and can be retrieved by sending a msg to listproc@theporch.com - the body of the msg would be "get boatanchors boneyard.bluebook". To retrieve an index of all files contained in the aforesaid bucket, it's "get boatanchors index". (Jack, please correct if my syntax memory slips!)

Paul Nelson
Ames, Iowa

"When I go, I want to go quietly, in my sleep, like my grandfather- not screaming, like his passengers."

(DrHydro@ames.net)

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: Fire Bottle archive handler <firebotl@jackatak.theporch.com>
Subject: Ham Price Guide
Message-ID: <9604270945.aa08987@jackatak.theporch.com>

> (Jack, please correct if my syntax memory slips!)
OK... ;^)
> To retrieve an index of all files contained in the aforesaid bucket,
> it's "get boatanchors index".
NOPE!!!!
that is the correct syntax for a file:

get boatanchors <file name>

but the index is "special" just type:

index boatanchors

Your memory is OK, you just don't interact with the listproc as often
as I have to! ;^)

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

firebotl@jackatak.theporch.com ---- listtown@jackatak.theporch.com

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: "Richard L. Duell" <rduell@iac.net>
Subject: Hop-Along Capacity
Message-ID: <31818AD6.2DA5@iac.net>

>A REWARD OF 500 MICROFARADS IS OFFERED FOR THE INFORMATION LEADING TO
>THE ARREST OF A HOP-A LONG CAPACITY. THIS UNCERTIFIED CRIMINAL
> ESCAPED FROM A WESTEN PRIMARY CELL WHERE HE HAD BEEN CLAMPED IN
>AWAITING THE GAUSS CHAMBER.

Well, I just hope that when they catch this rascal they throw away the
key and don't let him out for good conductance.

73, Rich - W5VDU
Somerville, OH

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: Mike LeMoine <mlemoine@SNET.Net>
Subject: L&MF Radio Scrap Book, 10th ed. avail.
Message-ID: <9604271419.AA69932@CT1.SNET.Net>

Hi Gang,

I just received my copy of Ken Cornell's new 10th ed. of "the low and medium frequency radio scrap book," which was just printed. It's available from:

Ken Cornell
225 Baltimore Ave.
Pt. Pleasant Beach, NJ 08742

\$17.50 pp book rate
\$18.75 pp 1st class mail

As Ken says, this scrapbook is "Chock-full of simple circuits and data useable in the medium to VLF radio spectrum" It's "Dedicated to the Experimenter" and encourages homebrewed circuits. One note though, it's sadly lacking in firebottle circuits. Ken seems to prefer FET's. The scrapbook does include good info on active and loop antennas. Also included are inductance/ capacity/ frequency nomographs and a good discussion of coil winding.

A question to the list: did previous editions of this scrapbook have firebottle circuits?

Disclaimer: I am not associated in any way with Ken Cornell. I'm just a satisfied reader.

Best Regards,

Bill Michels
mlemoine@snet.net

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: arc5@ix.netcom.com (David Stinson)
Subject: Long-Wave Scrapbook; 1750 Meter Success.
Message-ID: <199604271526.IAA08318@dfw-ix1.ix.netcom.com>

You wrote:

>A question to the list: did previous editions of this
>scrapbook have firebottle circuits?

Bill:

Yes, but the circuits weren't much to speak about--
very simple regen receivers and MOPA transmitters.
Unless you're working strictly local for fun,
these are a waste of time.

I have had long experiance and good success on the
1750 meter experimenter's band. You need the following
conditions, in order of priority, to succeed:

1. PATIENCE and PERSISTANCE.
2. Certainly of transmitter and receiver
frequencies to within 10 Hz.
3. Receiver or converter with
vacuum tube or FET front-end.
NO Bipolar RF amps or mixers!
(I use an ICOM R-70; sorry!)
4. A simple CW transmitted message--
callsign only, at about 13 WPM.
Slow-code being better is a myth.
Static burst destroy readablity.
5. An RF-quiet location. Note that many ops
in even RF-drenced California have had
good results when they follow the previous
four suggestions.

All of this is possible with a good firebottle
design. Even the old BC-453 Command receiver
will do good service if you can control the
frequency accurately, and it's very good
for local work.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: Bob Duckworth <rmd@ka4ybr.netmha.com>
Subject: Looking for BA, Drake 2A/B era, it's a Mosley CM-1
Message-ID: <199604280011.UAA03823@ka4ybr.netmha.com>

Hi guys-

Guess I should be out of the penalty box by now.

I'm looking for a radio.

It's the Mosley CM-1. Kinda 2B'ish in size. Maybe a tad taller. Does not have the fancy 2nd IF filtering though.

I'd appreciate any leads.

Thanks.

-bob
WB4MNF

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: Steve Ellington <n4lq@iglou.com>
Subject: Mho Mho not mo mo
Message-ID: <Pine.GS0.3.92.960427070826.1196A-100000@iglou2>

Sorry about mo. It's Mho Mho give us Mho. Just to oily in the morning for me. The Barking House Osc kept me awake last night.

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: "David L. Thompson" <thompson@mindspring.com>
Subject: More radios I have never seen
Message-ID: <199604270238.WAA25243@borg.mindspring.com>

The W5VDU message about finding equipment he never saw makes me think of several pieces of gear that I have never seen in person in a hamshack or for sale at a hamfest.

HART 75 Transmitter (I used to talk to W8VVD, but never have seen one of his transmitters).

Lettine 240 et al They sold hundreds of this 160 to 10 meter transmitter..I worked them on the air, but have never seen one.

NEIL Alpha 6 6 meter transmitter

Hammarlund HQ-88 (did they ever make a production of this receiver?)

Eldico Tr75TV I have heard of it and it was a popular novice rig when I got licensed in 1957, but I have never seen one. I have seen the matching modulator. BTW This modulator was also built by Hammarlund.

S41G I have seen this advertised several times, but have never seen one. I had the S40B as my first commercial receiver. As a novice this receiver was a trip on 15. You would get a reply, transmit back, and just hope the station would be near where you left the receiver. I remember the I1 I worked. It would take me several minutes to find him after each transmission. 80 and 40 did not exhibit this instability. One of my Elmers worked on the receiver and finally told me that there was nothing he could do...so I saved up and got an HQ110.

Dave K4JRB

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: Steve Ellington <n4lq@iglou.com>
Subject: Owensboro report
Message-ID: <Pine.GS0.3.92.960427143715.25680A-100000@iglou2>

I attended a very small hamfest in Owensboro, Ky today. Here's the list of BA sightings.

1. S-38D Painted bright, slick white and not working.
Price: \$45

I drove 235 miles round trip to see this.

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: "E.Swain/T.Boyd" <lizboy@io.com>
Subject: Paint match
Message-ID: <Pine.BSI.3.91.960427073701.22343A-100000@bermuda.io.com>

Richard, W4CBG, asked recently about paint matching on an SX-73 (?). I had great success getting the local automotive paint store to match a color I wanted, using acrylic lacquer automotive paint. But, I had to leave a panel with the original color on it with them to make the match.

So, unless you have a part of your set you are willing to leave with Bubba at the paint shop, you'd have to leave the whole case. Which may be OK.

So now, I have 3/4 of a quart can of a ****perfect**** match for an NC173. Anybody want it? This is acrylic lacquer, and ****very**** expensive (they charged me \$40 to mix up the quart). \$20 includes shipping and very careful packing.

If anyone chooses to go this route (automotive lacquer), an excellent finish can be obtained with a little elbow grease. Lacking a compressor and proper spray painting equipment, I use a Pre-Val sprayer, cost is about \$5, obtainable at automotive paint stores (here, anyway). It's basically like a refillable and rechargeable spray can. Mix the paint with a good grade of matching lacquer thinner (ask Bubba at the paint store for the right match of lacquer for your paint). Start with about 60% lacquer thinner, 40% lacquer paint in the Pre-Val unit. Lay on two or three light coats, wet'n'dry sand it (in the wet mode), more paint, more sanding, then try rubbing compound; if necessary repeat appropriate steps. Results are great if you have a little patience.

Tom Boyd
lizboy@io.com

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: rmccarty@deltanet.com (Roger McCarty)
Subject: Re; thinning out (Halli prices)
Message-ID: <9604270604.AA26915@server1.deltanet.com>

My sincere apologies. I have discovered I reversed the prices on the HT-44/SX-117 and the SX-146/HT-46 pairs.

The HT-44/SX-117 is \$250
The HT-46/SX-146 is \$200

If you know Halli's, I am sure you can see these are the more appropriate price relationships.

Those that responded first still have first shot at these corrected prices.

Please respond directly to rmccarty@deltanet.com to confirm or revoke your desire to purchase.

Thanks

Roger

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: rmccarty@deltanet.com (Roger McCarty)
Subject: Re; Thinout (What is sold)
Message-ID: <9604271334.AA19635@server1.deltanet.com>

The Hallicrafters HT-44/SX-117 have been sold.
The Johnson SSB adaptor has been sold.

Regards
Roger

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: Jim Dillon <beadgal@ptialaska.net>
Subject: Re:S-38 color
Message-ID: <01BB339F.37172160@juneau_98.dialups.ptialaska.net>

Hi Ben and AA5 fans-

Pretty soon you'll get 127 responses telling you to turn to pages 22-24 and 46-48 of Dachis book to see that S-38s weren't green. Lots of 50s Hallis like SX-62 and -38s, -53s used a satin black whose pigment changed to green tinge over the years. The Ace hardware Satin Black BBQ Black is near perfect match. Ones with grainy black (it wasn't really wrinkle) you dup with Sandcast paint from car parts paint rack. Also near perfect. Grey Hammertone used to be in AES catalog. The satin black can be got also by using black primer and overcoating with Satin Krylon.

OK, I confess, I painted a Motorola repeater Forest Green and I like it that way no matter what anybody says. Enough of this purist stuff.

Jim Dillon WL7CMQ beadgal@ptialaska.net
(seeking S/SX-9 and a S-38 plain vanilla-Noise Lim/CW pitch- green o.k.)

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: Re: S-38 color?
Message-ID: <31826119.2AC3@ghgcorp.com>

John Schwartzberg wrote:

>
> At 08:51 PM 4/26/96 -0500, Benjamin D. Hall wrote:
> >Hello All...
> >

> >So far the vote is 2 to zero that the S-38B came in black wrinkle finish.
> >Mine looked like it was olive drab, as did the other two S-38's I saw at
> >Belton.
>
> Well, make it 3-0 for the black. There are two in my family - one repainted
> and one original - that are the standard Halli black wrinkle finish of the
> late '40's. But, YOU are the duke of your shop, so do what you like!

Hi John... Looks like the consensus is that black is correct color, but that
it has a tendency to aquire a greenish tint when it ages poorly.

Sprayed mine Hunter Green this morning and nearly hurled the color was so
ugly. Sanded and am in the process of repainting it semi-flat black. MUCH
better than that horrid hunter green. (So much for "Color matches cap", ya
right!)

Thanks and 73 y'all,
Ben

--

=====
+ Benjamin D. Hall, Houston Texas +
+ BDHall@GHGCorp.com BHall@GP802.JSC.NASA.gov +
=====

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: w0ogh@ix.netcom.com (Larry Godek)
Subject: SCR-522
Message-ID: <199604271901.MAA15045@dfw-ix1.ix.netcom.com>

Couldn't believe it. Saw this big piece of Black krinkle gear setting
on the table next to me at the swap meet today. Sez to the OT with the
"AACS" insignia on his shirt, "whats that for"? He relies "its the ac
or base station power supply for an SCR-522. We used them in the tower
for talking to the fighters down in New Guinea etc".

Now its found a new home. I might even have a connector for it. Its
got a collection of dirt etc on it but I just know its gonna work.

Now where or what box is the 522 of mine stored in?

Larry W00GH@ix.netcom.com

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: k1zat@dsport.com
Subject: Re: SWAN 508 VFO ????
Message-ID: <Pine.SOL.3.91.960427180813.14807A-100000@puff>

Gary --

On Fri, 26 Apr 1996 standard@pcs.mb.ca wrote:
> What rigs were the intended match for this part?
> Anyone have a manual or diagram for wiring of this unit?

I got my 508 when I got my 500C. They were a direct mate. Someplace
arounb this mess I call a shack I got a book. If I find it, I'll
give you a copy.

jd

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: stever@cybercomm.net (Stephan Rashkin)
Subject: SX100 Mk2 and Viking Ranger 1
Message-ID: <199604270536.BAA17315@raven.cybercomm.net>

Well couple days ago I picked up a beautiful "you can almost eat off it"
SX100 Mk2 from Lynn Stolz..other than the famous mechanical stability
problems it works like a charm..Today came my Viking Ranger 1 from
Steve Ellington and it also works like a charm..a lil maroon touch up
along the bottom edge (toyota TM9 paint??) will spiff it up..meanwhile
it polished up real nice..I have to replace a lamp holder behind the red
jewel on the left side of the VFO (I wonder why it's not there??) it's
the one above the sequence keyer..also have to figure if #51 bulbs
are correct for the lights..anyone know for sure?? I worked couple
stations on 75 AM and CW on the BA Burst Net, all good reports..

I'd like to thank Lynn Stolz and Steve Ellington for sending the
goodies out so promptly and well packaged..the BA list is great..
so far 20 good completed buys, 9 good completed sells and 1 bad
buy..pretty good statistics..

73,
Steve, WA2NHZ

- Looking for: 1. More money to buy more stuff :0)
2. More room for more stuff
3. Camouflage netting to hide stuff from XYL

Steve Rashkin, WA2NHZ
Howell, New Jersey

E-mail: stever@raven.cybercom.com

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: joe.selkregg@amail.amdahl.com
Subject: trade RBM P/S for RBS P/S/AMP
Message-ID: <m0uD2nh-0000vjC@juts.ccc.amdahl.com>

I have a power supply for an RBM receiver that I would like to trade for a power supply/amplifier unit for an RBS receiver if this would work out for someone. I can add cash if required.

The RBM unit is identified as CAY-20086 and is in good condition.
The RBS unit that I need is identified as CCT-20235, A or B.

I can't sell the RBM P/S outright since it is all I have to power the RBS.

Thank you,
Joe Selkregg

joe.selkregg@amail.amdahl.com

Santa Clara, CA.

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: "David L. Thompson" <thompson@mindspring.com>
Subject: tubes and transmitters from Hell
Message-ID: <199604271659.MAA11782@borg.mindspring.com>

The 5894 is a very fine tube..one that let you have reasonable power on 6 and 2 along with HF.

I had an Eldico SSB-100 with one and it put out a solid barefoot signal. I worked Alaska on 75 SSB and several new countries on 10 (I have 344 there) without putting on the amp. Unfortunately Eldico put the tube in horizontal rather than vertical and this caused the tube to give out prematurely. I wonder if the SSB-100A corrected that problem...I saw one for sale here on BA several weeks ago, but did not inquire.

I had two friends that had the Johnson Pacemaker and both had problems with signal purity and drift. An EF Johnson official told me that the Pacemaker

was dropped in favor of the Invader 200/2000 in 1960 or 61 because of these problems. I assume it had the same circuitry as the SSB adaptor (everybody used the B&W phase network) for SSB generation so wonder about the purity issue. I also assume the VFO was similiar to the Ranger/Valiant. Guess unluckt combination of components.

Dave K4JRB

From boatanchors@theporch.com Sat Apr 27 11:25:09 1996
From: "Joseph W. Pinner" <kc5ijd@dns1.net-connect.net>
Subject: Re: TUBES FROM HELL
Message-ID: <199604271341.IAA32564@dns1.net-connect.net>

>More Tubes from Hell--
>
>Hallicrafters HA-6 6-transverter:
>
> 5894 dual tetrode final
> 6CW4 nuvistor rx RF amp

I am not sure that I can agree that these fit in the 'tubes from hell' category. Both of them may be expensive when both from AES, etc, but I see the 5894 advertised quite regularly for reasonable prices by folks selling off miscellaneous types of tubes, and I have purchased 5 - 6 6CW4s recently for roughly \$ 2.00 each.

I think that the nuvistor is a fine tube as well. I have them in my SB-110, Poly Comm 6, Poly Comm 2, G-186B panadapter, etc.

Just a thought.

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@net-connect.net or kc5ijd@aol.com

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: WTB: R-389 manual
Message-ID: <Pine.SUN.3.91.960427185424.4936B-100000@coyote.rain.org>

Looking for maintenance manual for the R-389 receiver.

73.....Ray Mote, W6RIC <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Sat Apr 27 23:11:10 1996
From: Dave Meier <71571.1744@CompuServe.COM>
Subject: WTB: Cinch-Jones connector
Message-ID: <960427215755_71571.1744_FHD40-2@CompuServe.COM>

I need one Cinch-Jones connector to construct a power cable for a Hammarlund FM50A 2 meter fm transceiver. It is a rectangular style with three rows of eight flat pins, with the flats of one row parallel to the long side of plug body and the other two rows with the flats perpendicular. It has one round key pin socket which replaces one of the center row pins, but I could use it with or without that. The body of the plug measures 2.5 X 1 inch before adding the cover.

Here's an attempt to depict the pin pattern(s).
I suggest using a monospaced font such as Courier New to make it look right.

This	or	This
--- ---		--- ---
--- ---		--- ---
--- ---		--- ---
--- ---		0 ---
--- ---		--- ---
--- ---		--- ---
--- ---		--- ---
--- ---		--- ---

Dave Meier N4MW
715 71.1744@compuserve.com

Looking for:
Hammarlund FM?? "lunchboxes" for 6 meters or ?
Manual for Hammarlund FM50
Ameco TX62 and VFO
Circa 1965 amateur publications and catalogs